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CITRUS

NOVEMBER FORECAST MATURITY TEST RESULTS AND FRUIT SIZE



November 9, 2000

ORANGES 240.0 MILLION BOXES

The October 1 forecasts for all states are repeated in this report since no November forecasts are made. The Florida all orange forecast is 3 percent more than the 233.0 million boxes recorded last season. During the past 10 seasons, the October forecast has deviated from final recorded utilization by an average of 3.7 percent; three of the seasons were above and the remaining seven were below the final estimates of utilization.

FCOJ YIELD 1.55 GALLONS PER BOX

Since there are no November forecasts or projections, the forecast for FCOJ remains at 1.55 gallons per box at 42.0 degrees Brix equivalent. Maturity test results on fruit collected October 30 and 31 are presented on page 3. All averages are unadjusted as in prior seasons and provide a measure of changes occurring in fruit still on the trees. The tests do not reflect the same levels of maturity as those being reported by processors from plant tests or plant recovery rates because the latter relate to fruit that has been harvested.

The final 1999-00 all orange season average FCOJ yield as reported by the Florida Citrus Processors Association was 1.55 gallons per box. The next FCOJ projection will be released with the box forecasts on December 12.

FORECAST DATES 2000-01 SEASON

December 12, 2000
January 10, 2001
February 8, 2001
March 8, 2001
April 10, 2001
May 10, 2001
June 12, 2001
July 11, 2001

CROP PROGRESS

October was a very dry month in virtually all of Florida's citrus belt. There were a few good rains the first of the month, however in most areas, the weather for the final three weeks turned warm and dry. Growers and caretakers used all types of irrigation to maintain good tree condition and to help promote better fruit sizes. Due to the dry conditions, there was very little new growth during the month.

Most of the early types of fruit are currently showing very good on-tree color break. Many fresh fruit packing houses are now active packing and shipping Navels, Hamlins and Ambersweet oranges, white and colored grapefruit, K-Early Citrus Fruit and early tangerines. There are a few processing plants open to receive packing house eliminations. There is very little grove run fruit being processed at this time as growers wait for better maturity tests.

Caretakers have been busy cutting cover crops and applying fall herbicides and sprays. Dead tree removal and burning of the general grove debris continues in all areas. Hedging and topping have been reported in some of the southern groves.

Citrus production, October 1, 2000
forecasts by varieties and states, with comparisons

Crop and State	Production			Forecast
	1997-98	1998-99	1999-00	2000-01
--- 1,000 boxes ---				
Early, Midseason, and Navel Oranges:				
FLORIDA	140,000	112,000	134,000	135,000
California	44,000	21,000	40,000	34,000
Texas	1,350	1,250	1,540	1,800
Arizona	350	550	600	550
Total Above Varieties	185,700	134,800	176,140	171,350
Valencias:				
FLORIDA	104,000	74,000	99,000	105,000
California	25,000	15,000	27,000	25,000
Texas	175	180	200	200
Arizona	650	600	500	500
Total Valencias	129,825	89,780	126,700	130,700
All Oranges:				
FLORIDA	244,000	186,000	233,000	240,000
California	69,000	36,000	67,000	59,000
Texas	1,525	1,430	1,740	2,000
Arizona	1,000	1,150	1,100	1,050
Total All Oranges	315,525	224,580	302,840	302,050

**FLORIDA CITRUS: Distribution of 1999-00 production and 2000-01
forecast by marketing districts and fruit types**

Fruit type	Indian River		Gulf		Florida Sun Ridge		State total	
	1999-00	2000-01	1999-00	2000-01	1999-00	2000-01	1999-00	2000-01
ORANGES:	--- 1,000 boxes ---							
Early & Midseason (Including Navels)	10,100	9,300	24,400	32,000	99,500	93,700	134,000	135,000
Valencia	12,100	12,600	26,400	31,400	60,500	61,000	99,000	105,000
All	22,200	21,900	50,800	63,400	160,000	154,700	233,000	240,000
GRAPEFRUIT:								
White	14,400	14,100	2,100	2,700	5,000	3,200	21,500	20,000
Colored	20,400	19,800	5,700	6,600	5,800	3,600	31,900	30,000
All	34,800	33,900	7,800	9,300	10,800	6,800	53,400	50,000

Citrus production, October 1, 2000
forecasts by varieties and states, with comparisons

Crop and State	Production			Forecast
	1997-98	1998-99	1999-00	2000-01
--- 1,000 boxes ---				
Grapefruit:				
FLORIDA-All	^{1/} 49,550	47,050	53,400	50,000
White ^{2/}	18,950	18,350	21,500	20,000
Colored	30,600	28,700	31,900	30,000
Texas	4,800	6,100	5,930	6,500
Arizona	800	750	500	600
California	8,000	7,300	7,000	7,200
Total Grapefruit	63,150	61,200	66,830	64,300
Lemons:				
California	21,000	16,200	19,600	21,000
Arizona	2,600	3,450	3,100	3,600
Total Lemons	23,600	19,650	22,700	24,600
Limes: Florida	440	500	600	250
Temples: Florida	2,250	1,800	1,950	1,800
Tangelos: Florida	2,850	2,550	2,200	2,100
K-Early: Florida	40	80	110	60
Tangerines:				
FLORIDA-All	5,200	4,950	7,000	6,300
Early ^{3/}	3,200	3,050	4,350	3,700
Honey	2,000	1,900	2,650	2,600
California ^{4/}	2,400	1,500	2,300	2,000
Arizona ^{4/}	600	950	850	850
Total Tangerines	8,200	7,400	10,150	9,150

^{1/} Excludes six million boxes of economic abandonment: five million white seedless and one million colored. ^{2/} Includes seedy. ^{3/} Robinson, Fallglo, Sunburst, and Dancy. ^{4/} Includes tangelos.

**ESTIMATE OF PRODUCTION
BY MARKETING DISTRICTS**

The production forecasts made in October for Florida oranges and updated for grapefruit have been divided between marketing districts for this report. These are shown in the table above with the 1998-99 production for comparison.

MATURITY AND WEATHER

The maturity test results reported on page 3 are from fruit collected October 30-31 and tested November 1-3. These samples were collected from the same trees as the September and October surveys and reflect maturity levels for unharvested fruit.

The next maturity tests and FCOJ yield projection will be released with the crop forecast December 12th at 8:30 a.m.

This was one of the driest Octobers in recent history. Growers and caretakers irrigated most of the month with all types of equipment to maintain good tree condition and to help increase fruit sizes. Fruit sizes are generally smaller than average for all types of fruit due in part to the below normal rainfall during the summer months and higher fruit set.

The pounds solids for all types of fruit tested are higher than last year at this time. The percent Brix and the pounds of juice per box also top last year at the same time. This year's bloom period was prolonged through late April due to the cool dry weather. There was constant irrigation in all areas during April and May to help set the current crop. The summer rains started around the first of June and continued through August. The general rainfall patterns started alternating and becoming less frequent during September. More rain is currently needed in all areas.

Unadjusted Maturity Tests: Average of regular bloom fruit from sample groves, 1999-00 and 2000-01 seasons

Fruit type (No. groves) test date	Acid		Solids (Brix)		Ratio		Unfinished juice per box		Solids per box	
	1999-00	2000-01	1999-00	2000-01	1999-00	2000-01	1999-00	2000-01	1999-00	2000-01
	Percent		Percent				Pounds		Pounds	

Juice and solids per box are unadjusted and not comparable to plant test results.

ORANGES:

Early (118-117)

Sep 1	1.73	1.64	9.35	9.77	5.52	6.07	41.03	42.40	3.82	4.14
Oct 1	1.20	1.10	9.36	9.84	7.94	9.07	46.41	48.65	4.34	4.78
Nov 1	0.94	0.96	9.69	10.73	10.53	11.49	49.98	51.01	4.84	5.47

Mid (54-55)

Sep 1	1.99	1.77	9.13	9.32	4.68	5.35	39.46	44.22	3.60	4.13
Oct 1	1.41	1.22	9.10	9.47	6.55	7.94	46.88	49.78	4.27	4.71
Nov 1	1.10	1.05	9.54	10.45	8.55	10.27	51.06	53.42	4.88	5.59

Late (150-150)

Sep 1	NA	NA	NA	NA						
Oct 1	2.51	2.45	8.55	8.80	3.45	3.65	43.36	46.50	3.71	4.09
Nov 1	2.06	2.00	8.72	9.46	4.30	4.80	47.53	50.80	4.15	4.81

GRAPEFRUIT:

White Seedless (49-48)

Sep 1	1.84	1.83	10.28	10.18	5.61	5.57	29.07	32.50	2.98	3.31
Oct 1	1.62	1.59	9.81	10.26	6.11	6.49	34.56	36.56	3.38	3.74
Nov 1	1.44	1.50	9.59	10.41	6.71	6.96	38.04	40.45	3.65	4.20

Colored Seedless (44-47)

Sep 1	1.76	1.76	10.12	10.41	5.77	5.92	28.64	33.55	2.90	3.49
Oct 1	1.55	1.52	9.75	10.47	6.34	6.94	35.28	37.11	3.44	3.88
Nov 1	1.38	1.42	9.67	10.69	7.05	7.56	38.08	40.58	3.68	4.34

NOTICE: All samples were run through an FMC 091 machine using mechanical pressure only. This machine utilizes a .040 short strainer and standard 5/8-inch orifice tube. The beam settings are also identical to past tests and no restrictors are used.

Maturity test averages by areas, November 1, 2000

Fruit type	Groves sampled	Acid	Solids (Brix)	Ratio	Unfinished juice per box	Solids per box
	Number	Percent	Percent		Pounds	Pounds
ORANGES:						
Early						
Indian River Dist.	11	0.96	11.00	11.74	51.57	5.67
Other Areas	106	0.96	10.71	11.47	50.95	5.45
Midseason						
Indian River Dist.	11	0.99	10.45	10.94	54.46	5.69
Other Areas	44	1.06	10.46	10.10	53.17	5.56
Late						
Indian River Dist.	25	2.07	9.76	4.80	51.72	5.05
Other Areas	125	1.99	9.41	4.80	50.62	4.76
GRAPEFRUIT:						
White Seedless						
Indian River Dist.	35	1.52	10.50	6.95	40.01	4.19
Other Areas	13	1.47	10.15	6.98	41.65	4.22
Colored Seedless						
Indian River Dist.	39	1.42	10.84	7.66	40.65	4.40
Other Areas	8	1.43	9.97	7.05	40.25	4.02

Florida Citrus: Size frequency distributions
from October measurements

Type of fruit and size in 4/5-bushel containers	1998	1999	2000
--- Percent ---			
Early and midseason oranges: (excluding Navels)			
64 and larger	0.5	1.3	0.2
80	3.9	9.5	2.9
100	21.1	29.8	17.2
125	42.9	36.4	38.4
163 and smaller	31.6	23.0	41.3
Navel oranges:			
64 and larger	36.3	60.6	41.6
80	35.6	25.9	35.0
100	21.1	10.4	19.4
125	5.4	2.7	3.3
163 and smaller	1.6	0.4	0.7
White seedless grapefruit:			
32 and larger	5.7	7.2	5.1
36	11.7	12.7	10.8
40	18.0	16.6	17.2
48	20.9	17.2	22.0
56	14.6	13.9	16.3
63 and smaller	29.1	32.4	28.6
Colored seedless grapefruit:			
32 and larger	3.7	4.8	3.2
36	9.6	9.6	7.6
40	18.5	14.0	14.6
48	22.8	19.3	20.4
56	15.8	15.0	17.9
63 and smaller	29.6	37.3	36.3
Fallglo tangerines:			
150 and larger	90.9	81.2	87.0
176	5.2	9.7	8.0
210	3.9	2.3	2.0
246	--	5.1	3.0
294 and smaller	--	1.7	--
Sunburst tangerines:			
150 and larger	38.8	50.2	55.7
176	19.0	15.5	18.2
210	17.6	13.6	13.1
246	14.1	11.4	8.1
294 and smaller	10.5	9.3	4.9
Tangelos:			
80 and larger	6.2	15.7	7.1
100	17.3	27.1	22.1
120	36.1	29.1	34.3
156 and smaller	40.4	28.1	36.5
Tempos:			
80 and larger	3.4	5.3	2.7
100	22.5	21.7	21.7
120	40.3	33.4	39.8
156 and smaller	33.8	39.6	35.8

The charts below describe the relationships of the fruit size measurements with those taken in the previous year. The diameter measurements shown are the minimum values of each eighth inch range, except for the smallest values.

CHART 1: Early and midseason oranges (excluding Navels) size frequency by diameter from October measurements.

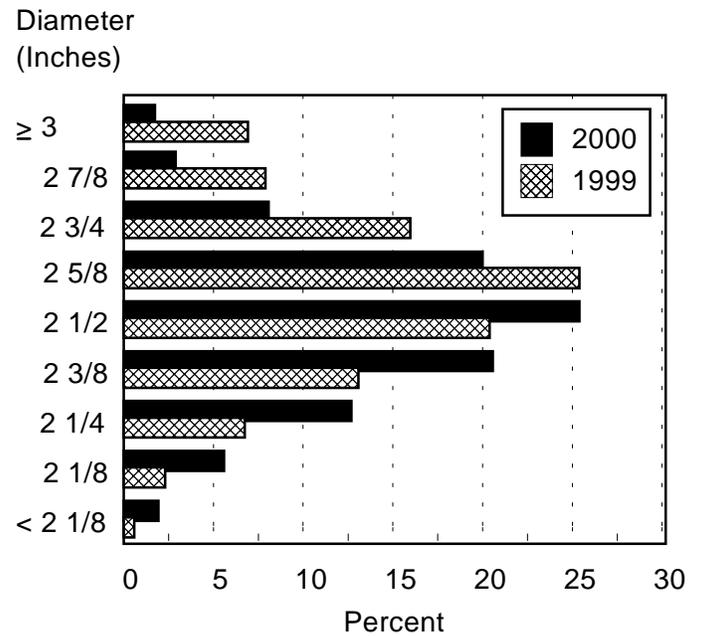


CHART 2: White seedless grapefruit size frequency by diameter from October measurements.

